## SEQUENCE LISTING

```
<110> Walke, D. Wade
     Wilganowski, Nathaniel L.
     Donoho, Gregory
     Turner, C. Alexander Jr.
<120> Novel Human Proteases and Polynucleotides Encoding the Same
<130> LEX-0114-USA
<150> US 60/174,686
<151> 2000-01-06
<160> 7
<170> FastSEQ for Windows Version 4.0
<210> 1
<211> 654
<212> DNA
<213> Homo sapien
<400> 1
                                                                        60
atgtggacag ctgtgattgg aactaataat atacatggac gctatcctca taccaagaag
                                                                       120
ataaaaatta aagcaatcat tattcatcca aacttcattt tggaatctta tgtaaatgat
                                                                       180
attgcacttt ttcacttaaa aaaagcagtg aggtataatg actatattca gcctatttgc
                                                                       240
ctaccttttg atgttttcca aatcctggac ggaaacacaa agtgttttat aagtggctgg
                                                                       300
ggaagaacaa aagaagaagg taacgctaca aatattttac aagatgcaga agtgcattat
                                                                       360
atttctcgag agatgtgtaa ttctgagagg agttatgggg gaataattcc taacacttca
                                                                       420
ttttgtgcag gtgatgaaga tggagctttt gatacttgca ggggtgacag tgggggacca
                                                                       480
ttaatgtgct acttaccaga atataaaaga ttttttgtaa tgggaattac cagttacgga
catggetgtg gtcgaagagg ttttcctggt gtctatattg ggccatcctt ctaccaaaag
                                                                       540
                                                                       600
tggctgacag agcatttctt ccatgcaagc actcaaggca tacttactat aaatatttta
cgtggccaga tcctcatagc tttatgtttt gtcatcttac tagcaacaac ataa
                                                                       654
<210> 2
<211> 217
<212> PRT
<213> Homo sapien
<400> 2
Met Trp Thr Ala Val Ile Gly Thr Asn Asn Ile His Gly Arg Tyr Pro
1
                 5
                                    10
His Thr Lys Lys Ile Lys Ile Lys Ala Ile Ile Ile His Pro Asn Phe
                                25
                                                     30
Ile Leu Glu Ser Tyr Val Asn Asp Ile Ala Leu Phe His Leu Lys Lys
                            40
Ala Val Arg Tyr Asn Asp Tyr Ile Gln Pro Ile Cys Leu Pro Phe Asp
                        55
Val Phe Gln Ile Leu Asp Gly Asn Thr Lys Cys Phe Ile Ser Gly Trp
                    70
                                        75
```

90

Gly Arg Thr Lys Glu Glu Gly Asn Ala Thr Asn Ile Leu Gln Asp Ala

Glu Val His Tyr Ile Ser Arg Glu Met Cys Asn Ser Glu Arg Ser Tyr

```
100
                                105
Gly Gly Ile Ile Pro Asn Thr Ser Phe Cys Ala Gly Asp Glu Asp Gly
       115
                            120
                                                125
Ala Phe Asp Thr Cys Arg Gly Asp Ser Gly Gly Pro Leu Met Cys Tyr
                        135
Leu Pro Glu Tyr Lys Arg Phe Phe Val Met Gly Ile Thr Ser Tyr Gly
                    150
                                        155
                                                            160
His Gly Cys Gly Arg Arg Gly Phe Pro Gly Val Tyr Ile Gly Pro Ser
                165
                                    170
                                                        175
Phe Tyr Gln Lys Trp Leu Thr Glu His Phe Phe His Ala Ser Thr Gln
                                185
                                                    190
Gly Ile Leu Thr Ile Asn Ile Leu Arg Gly Gln Ile Leu Ile Ala Leu
                            200
                                                205
Cys Phe Val Ile Leu Leu Ala Thr Thr
    210
                        215
<210> 3
<211> 1047
<212> DNA
<213> Homo sapien
<400> 3
atgeggetgg ggeteetgag egtggegytg ttgtttgtgg ggagetetea ettayactea
                                                                        60
gaccactact egecetetgg aaggeacagg eteggeeet egeeggaace ggeggetagt
                                                                       120
teccageagg etgaggeegt eegcaagagg etceggegge ggagggaggg aggggegeat
                                                                       180
                                                                       240
gcaaaggatt gtggaacagc accgcttaag gatgtgttgc aagggtctcg gattataggg
ggcaccgaag cacaagctgg cgcatggccg tgggtggtga gcctgcagat taaatatggc
                                                                       300
cgtgttcttg ttcatgtatg tgggggaacc ctagtgagag agaggtgggt cctcacagct
                                                                       360
gcccactgca ctaaagacrc tagcgatcct ttaatgtgga cagctgtgat tggaactaat
                                                                       420
                                                                       480
aatatacatg gacgctatcc tcataccaag aagataaaaa ttaaagcaat cattattcat
ccaaacttca ttttggaatc ttatgtaaat gatattgcac tttttcactt aaaaaaagca
                                                                       540
gtgaggtata atgactatat tcagcctatt tgcctacctt ttgatgtttt ccaaatcctg
                                                                       600
gacggaaaca caaagtgttt tataagtggc tggggaagaa caaaagaaga aggtaacgct
                                                                       660
acaaatattt tacaagatgc agaagtgcat tatatttctc gagagatgtg taattctgag
                                                                       720
                                                                       780
aggagttatg ggggaataat tcctaacact tcattttgtg caggtgatga agatggagct
                                                                       840
tttgatactt gcaggggtga cagtggggga ccattaatgt gctacttacc agaatataaa
agattttttg taatgggaat taccagttac ggacatggct gtggtcgaag aggttttcct
                                                                       900
ggtgtctata ttgggccatc cttctaccaa aagtggctga cagagcattt cttccatgca
                                                                       960
agcactcaag gcatacttac tataaatatt ttacgtggcc agatcctcat agctttatgt
                                                                      1020
                                                                      1047
tttgtcatct tactagcaac aacataa
<210> 4
<211> 348
<212> PRT
<213> Homo sapien
Met Arg Leu Gly Leu Leu Ser Val Ala Leu Leu Phe Val Gly Ser Ser
                 5
                                    10
His Leu Tyr Ser Asp His Tyr Ser Pro Ser Gly Arg His Arg Leu Gly
            20
                                25
Pro Ser Pro Glu Pro Ala Ala Ser Ser Gln Gln Ala Glu Ala Val Arg
                            40
Lys Arg Leu Arg Arg Arg Glu Gly Gly Ala His Ala Lys Asp Cys
    50
                       55
Gly Thr Ala Pro Leu Lys Asp Val Leu Gln Gly Ser Arg Ile Ile Gly
```

```
70
65
                                   75
Gly Thr Glu Ala Gln Ala Gly Ala Trp Pro Trp Val Val Ser Leu Gln
              85
                              90
Ile Lys Tyr Gly Arg Val Leu Val His Val Cys Gly Gly Thr Leu Val
                            105
          100
Arg Glu Arg Trp Val Leu Thr Ala Ala His Cys Thr Lys Asp Ala Ser
                        120
                                           125
Asp Pro Leu Met Trp Thr Ala Val Ile Gly Thr Asn Asn Ile His Gly
                    135
                                      140
Arg Tyr Pro His Thr Lys Lys Ile Lys Ile Lys Ala Ile Ile His
                                  155
Pro Asn Phe Ile Leu Glu Ser Tyr Val Asn Asp Ile Ala Leu Phe His
                               170
             165
Leu Lys Lys Ala Val Arg Tyr Asn Asp Tyr Ile Gln Pro Ile Cys Leu
        180
                         185
Pro Phe Asp Val Phe Gln Ile Leu Asp Gly Asn Thr Lys Cys Phe Ile
                        200
                                          205
Ser Gly Trp Gly Arg Thr Lys Glu Glu Gly Asn Ala Thr Asn Ile Leu
  210 215
                         220
Gln Asp Ala Glu Val His Tyr Ile Ser Arg Glu Met Cys Asn Ser Glu
                 230
                                   235
Arg Ser Tyr Gly Gly Ile Ile Pro Asn Thr Ser Phe Cys Ala Gly Asp
              245
                               250
Glu Asp Gly Ala Phe Asp Thr Cys Arg Gly Asp Ser Gly Gly Pro Leu
                           265
Met Cys Tyr Leu Pro Glu Tyr Lys Arg Phe Phe Val Met Gly Ile Thr
             280
Ser Tyr Gly His Gly Cys Gly Arg Arg Gly Phe Pro Gly Val Tyr Ile
                    295
Gly Pro Ser Phe Tyr Gln Lys Trp Leu Thr Glu His Phe Phe His Ala
                 310
                      315 320
Ser Thr Gln Gly Ile Leu Thr Ile Asn Ile Leu Arg Gly Gln Ile Leu
                  330
            325
Ile Ala Leu Cys Phe Val Ile Leu Leu Ala Thr Thr
 340
                           345
<210> 5
<211> 867
<212> DNA
<213> Homo sapien
<400> 5
```

atgcaaaatt	gtggaacagc	accgcttaag	gatgtgttgc	aagggtctcg	gattataggg	60
ggcaccgaag	cacaagctgg	cgcatggccg	tgggtggtga	gcctgcagat	taaatatggc	120
cgtgttcttg	ttcatgtatg	tgggggaacc	ctagtgagag	agaggtgggt	cctcacagct	180
gcccactgca	ctaaagacrc	tagcgatcct	ttaatgtgga	cagctgtgat	tggaactaat	240
aatatacatg	gacgctatcc	tcataccaag	aagataaaaa	ttaaagcaat	cattattcat	300
ccaaacttca	ttttggaatc	ttatgtaaat	gatattgcac	tttttcactt	aaaaaagca	360
gtgaggtata	atgactatat	tcagcctatt	tgcctacctt	ttgatgtttt	ccaaatcctg	420
gacggaaaca	caaagtgttt	tataagtggc	tggggaagaa	caaaagaaga	aggtaacgct	480
acaaatattt	tacaagatgc	agaagtgcat	tatatttctc	gagagatgtg	taattctgag	540
aggagttatg	ggggaataat	tcctaacact	tcattttgtg	caggtgatga	agatggagct	600
tttgatactt	gcaggggtga	cagtggggga	ccattaatgt	gctacttacc	agaatataaa	660
agattttttg	taatgggaat	taccagttac	ggacatggct	gtggtcgaag	aggttttcct	720
ggtgtctata	ttgggccatc	cttctaccaa	aagtggctga	cagagcattt	cttccatgca	780
agcactcaag	gcatacttac	tataaatatt	ttacgtggcc	agatcctcat	agctttatgt	840

60

120

180

240

<210> 6 <211> 288 <212> PRT <213> Homo sapien <400> 6 Met Gln Asn Cys Gly Thr Ala Pro Leu Lys Asp Val Leu Gln Gly Ser 10 Arg Ile Ile Gly Gly Thr Glu Ala Gln Ala Gly Ala Trp Pro Trp Val 25 Val Ser Leu Gln Ile Lys Tyr Gly Arg Val Leu Val His Val Cys Gly 40 Gly Thr Leu Val Arg Glu Arg Trp Val Leu Thr Ala Ala His Cys Thr 55 Lys Asp Ala Ser Asp Pro Leu Met Trp Thr Ala Val Ile Gly Thr Asn 70 75 Asn Ile His Gly Arg Tyr Pro His Thr Lys Lys Ile Lys Ile Lys Ala 85 90 Ile Ile Ile His Pro Asn Phe Ile Leu Glu Ser Tyr Val Asn Asp Ile 105 100 Ala Leu Phe His Leu Lys Lys Ala Val Arg Tyr Asn Asp Tyr Ile Gln 120 Pro Ile Cys Leu Pro Phe Asp Val Phe Gln Ile Leu Asp Gly Asn Thr 135 140 Lys Cys Phe Ile Ser Gly Trp Gly Arg Thr Lys Glu Glu Gly Asn Ala 150 155 Thr Asn Ile Leu Gln Asp Ala Glu Val His Tyr Ile Ser Arg Glu Met 170 Cys Asn Ser Glu Arg Ser Tyr Gly Gly Ile Ile Pro Asn Thr Ser Phe 185 180 Cys Ala Gly Asp Glu Asp Gly Ala Phe Asp Thr Cys Arg Gly Asp Ser 205 195 200 Gly Gly Pro Leu Met Cys Tyr Leu Pro Glu Tyr Lys Arg Phe Phe Val 210 215 220 Met Gly Ile Thr Ser Tyr Gly His Gly Cys Gly Arg Arg Gly Phe Pro 230 235 Gly Val Tyr Ile Gly Pro Ser Phe Tyr Gln Lys Trp Leu Thr Glu His 250 245 Phe Phe His Ala Ser Thr Gln Gly Ile Leu Thr Ile Asn Ile Leu Arg 265 Gly Gln Ile Leu Ile Ala Leu Cys Phe Val Ile Leu Leu Ala Thr Thr <210> 7 <211> 1286 <212> DNA <213> Homo sapien <400> 7 ttcttccatt tcaggtgtcg tgaaaagctt gaattcggcg cgccagatat cacacgtgcc

aaggggetgg ctegeegeca tettgeteae eagceteeaa aatgeggetg gggeteetga

gcgtggcgct gttgtttgtg gggagctctc acttatactc agaccactac tcgccctctg

gaaggcacag geteggeece tegeeggaae eggeggetag tteecageag getgaggeeg

tccgcaagag gctccggcgg cggagggagg gaggggcgca tgcaaaggat tgtggaacag

caccgcttaa	ggatgtgttg	caagggtctc	ggattatagg	gggcaccgaa	gcacaagctg	360
gcgcatggcc	gtgggtggtg	agcctgcaga	ttaaatatgg	ccgtgttctt	gttcatgtat	420
gtgggggaac	cctagtgaga	gagaggtggg	tcctcacagc	tgcccactgc	actaaagacg	480
ctagcgatcc	tttaatgtgg	acagctgtga	ttggaactaa	taatatacat	ggacgctatc	540
ctcataccaa	gaagataaaa	attaaagcaa	tcattattca	tccaaacttc	attttggaat	600
cttatgtaaa	tgatattgca	ctttttcact	taaaaaaagc	agtgaggtat	aatgactata	660
ttcagcctat	ttgcctacct	tttgatgttt	tccaaatcct	ggacggaaac	acaaagtgtt	720
ttataagtgg	ctggggaaga	acaaaagaag	aaggtaacgc	tacaaatatt	ttacaagatg	780
cagaagtgca	ttatatttct	cgagagatgt	gtaattctga	gaggagttat	gggggaataa	840
ttcctaacac	ttcattttgt	gcaggtgatg	aagatggagc	ttttgatact	tgcaggggtg	900
acagtggggg	${\tt accattaatg}$	tgctacttac	cagaatataa	aagatttttt	gtaatgggaa	960
ttaccagtta	cggacatggc	tgtggtcgaa	gaggttttcc	tggtgtctat	attgggccat	1020
ccttctacca	aaagtggctg	acagagcatt	tcttccatgc	aagcactcaa	ggcatactta	1080
ctataaatat	tttacgtggc	cagatcctca	tagctttatg	ttttgtcatc	ttactagcaa	1140
caacataaag	aaattctgaa	ggctttcata	tctttatttt	gcattgtgtc	cctttctatg	1200
ttctatataa	tgaacatcat	ttattcttct	agcaattaat	tgcctacatt	agagatttca	1260
tgtgaacatt	ttatgggcta	taaata				1286